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## CLAIMS

1.	An apparatus for cooling and positioning prismatic battery cells, comprising:
	a primastic battery cell with active material in a sealed pouch;
	a cooling fin made of thermally conductive material with bent tabs;
	a pair of terminal tabs that reach into said pouch to draw heat away from said
cell; and	
	railings along length of said cell whereby said cooling fin is attached to an
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area of said cell bounded by said railings by said bent tabs.

- 2. The apparatus of claim 1 wherein said cooling fin further comprises a flat area in direct contact with said cell; and a corrugated area not in direct contact with said cell but in direct contact with a coolant agent wherein heat moves from said cell to said flat area to said corrugated area to said cooling agent.
- The apparatus of claim 2 wherein said cooling fin is made out of copper.
  - 4. The apparatus of claim 2 wherein said cooling fin is made out of aluminum.
  - 5. The apparatus of claim 2 wherein said cooling agent is air.
  - 6. The apparatus of claim 5 wherein said air is pumped.

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- 7. The apparatus of claim 5 wherein said air is naturally flowing.
- 8. The apparatus of claim 2 wherein said cooling agent is liquid.
- 5 9. The apparatus of claim 2 wherein one or more of said cooling fins are combined with one or more of said cells in an alternating geometry of fin-cell-fin-cell to form a battery module.
  - 10. The apparatus of claim 9 wherein said cooling fins are inserted among any mutliple number of cells.
  - 11. The apparatus of claim 2 wherein said cell is an Lithium-ion Polymer Battery (LiPB) cell.
    - 12. The apparatus of claim 2 wherein said cell is kept in compression.
    - 13. The apparatus of claim 2 wherein said cell is held in place by said cooling fin.
- 14. A method for cooling and positioning prismatic battery cells, comprising:

  sealing active material of a primastic battery cell in a pouch;

  attaching a cooling fin made of thermally conductive material to said cell; and attaching a pair of terminal tabs that reach into said pouch to draw heat away from said cell.

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15.	The method of claim 14 wherein said attaching a cooling fin further
comprises:	

folding railings along length of said cell;

creating bent tabs in said cooling fin to attach said cooling fin to an area of

5 said cell bounded by said railings; and

sliding said cooling fin between said railings to fit around said area.

- 16. The method of claim 15 wherein said cooling fin further comprises:
  - a flat area in direct contact with said cell; and

a corrugated area not in direct contact with said cell but in direct contact with a coolant agent whereby heat moves from said cell to said flat area to said corrugated area to said cooling agent.

- 17. The method of claim 16 wherein said cooling fin is made out of copper.
- 18. The method of claim 16 wherein said cooling fin is made out of aluminum.
- 19. The method of claim 16 wherein said cooling agent is air.
- 20. The method of claim 19 wherein said air is pumped.
  - 21. The method of claim 19 wherein said air is naturally flowing.

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- 22. The method of claim 16 wherein said cooling agent is liquid.
- 23. The method of claim 16 wherein one or more of said cooling fins are combined with one or more of said cells in an alteranting geometry of fin-cell-fin-cell to form a battery module.
  - 24. The method of claim 23 wherein said cooling fins are inserted among any multiple number of cells.
- 10 25. The method of claim 16 wherein said cell is an Lithium-ion Polymer Battery (LiPB) cell.
  - 26. The method of claim 16 wherein said cell is kept in compression.
  - 27. The method of claim 16 wherein said cell is held in place by said cooling fin.